Release Notes for Cisco Network Assistant 5.0 and Later

Revised on February 18, 2009.

These release notes include important information about Cisco Network Assistant 5.0, 5.1, 5.2, 5.3, 5.4 and any limitations, restrictions, and caveats that apply to these releases.

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New Features

With Network Assistant 5.4, you can

Manage these switches:

- Cisco Catalyst 2918 switches
- Cisco IE 3000 switches
- Cisco Catalyst Blade Module Switch 3012 for IBM
- Cisco Catalyst Blade Switch 3125
- Cisco Catalyst Express 520 switches
- Catalyst 4500 switches
  - WS-X4624-SFP-E switching module for Catalyst 4500 E-series switches
  - WS-X4248-FE-SFP switching module for Catalyst 4500 series switches
- Catalyst 4900M switches:
  - WS-X4920-GB-RJ45 switching module:20-port 10/100/1000 half card with RJ-45 connectors
  - WS-X4904-10GE switching module: 4-port 10-Gigabit Ethernet X2 half card
  - WS-X4908-10GE switching module: 8-port 10-Gigabit Ethernet X2 half card
- Configure Power over Ethernet (PoE) policing on the Catalyst 2960 switches (WS-C2960-24PC-L and WS-C2960-24LT-L only)
- Manage a Cisco 1861 Router
- Configure switch alarms, Smartport roles, and DHCP server on the Cisco IE 3000 switches
- Use a wizard to set up and use templates (supported only on the Catalyst Express 520 switches)
- Apply a configuration to a selected device that was backed up from a similar device
- Restart devices as in earlier releases or restore the factory settings
- Generate a troubleshooting log for a device in your community
- Give access to all community devices and manage user access for a specific device
- Add a network cloud to the topology map and manually add a link between nodes on the map
- Configure DHCP snooping, dynamic ARP inspection, and IP source guard security features on Catalyst 4500 and Catalyst 4900 switches
- Run Network Assistant on the Macintosh OS X operating system

Note The AVVID Wizard was removed from Network Assistant in this release.

With Network Assistant 5.3, you can

- Configure private VLANs on Catalyst 3750-E, Catalyst 3750, Catalyst 3560-E, Catalyst 3560, Catalyst 4500, Catalyst 4500 E-Series, and Catalyst 4900 switches
- Enable IP Routing and EtherChannel support for Catalyst 4500, Catalyst 4500-E Series and Catalyst 4900 switches
- Manage these switches:
  - - Cisco Catalyst Blade Switch 3110 for IBM

  - - Cisco Catalyst Blade Switch 3120 for HP
  - - Cisco Catalyst Blade Switch 3130 and 3032 for Dell
  - - Cisco Catalyst 3560-E 12D Switch
- Manage these Catalyst 4500 E-Series switches:
  - Supervisor: Catalyst 4500 E-Series Supervisor Engine 6-E
  - Chassis: Catalyst E-Series 4503, 4506, 4507R, and 4510R
  - Switching modules: 48-port RJ45 PoE 10/100/1000, 48-port Premium PoE 10/100/1000, and 6-port 10-Gigabit Ethernet X2 switching modules

With Network Assistant 5.2, you can manage these devices:

- WS-C2960-48TC-S
- WS-C2960-24TC-S
- WS-C2960-24-S

Network Assistant 5.1 and 5.2 supports these languages:

- French
- German
- Italian
- Japanese
- Simplified Chinese
- Spanish

Note Release 5.1 does not support the search feature in the Japanese and simplified Chinese versions.

With Network Assistant 5.0 and later, you can

- Manage a community of up to 40 devices.
- Discover devices to use in a community by specifying a range of IP addresses or a subnet.
- Manage Catalyst 3750-E and Catalyst 3560-E switches in your network.
- View Cisco IOS software license information for Catalyst 3750-E and Catalyst 3560-E switches in the Inventory Reports window.
- Configure advanced PoE features on Catalyst 3750-E and Catalyst 3560-E switches.
- Perform diagnostic hardware tests to verify the functionality of a device while it is connected to a live network. (Available on Catalyst 4500, Catalyst 3750, and Catalyst 3560 switches.)
- Enable an RPS 2300 to provide backup power to connected devices and specify priorities for providing power if devices fail simultaneously. The RPS 2300 can be managed through Network Assistant only if it is connected to a Catalyst 3750-E or a Catalyst 3560-E switch.
- View power usage information and adjust power settings for Catalyst 4500 and 4900 switches.
- Include these PIX Firewalls in your community: PIX-501, PIX-506, PIX-506E, PIX-525, PIX-535.
- Include these Adaptive Security Appliances (ASAs) in your community: ASA5505, ASA5510, ASA5520, ASA5540.

- Manage these blade switches:
  Cisco Catalyst Blade Switch 3020 for Hewlett-Packard
  Cisco Catalyst Blade Switch 3030 for Dell
  Cisco Catalyst Blade Switch 3040 for Fujitsu Siemens Computers
  Cisco Systems Intelligent Gigabit Ethernet Switch Modules for the IBM BladeCenter
- Monitor a number of device-health measurements to avoid downtime and to ensure that your network is running efficiently.
- See the devices in your network in a tree structure when you display the Topology View. This representation is in addition to the topology map that the view presents.
- Preview the commands that will run when you modify port settings, apply Smartports roles, perform diagnostic hardware tests, or manage file systems.
- View details about file systems, the use of space on your devices, and delete files or directories to create space as needed.
- See a graphical representation of all the connected ports to which a Smartports role should be applied and a window in which to perform this task. (These enhancements replace the Smartports Advisor. They appear when you click **Suggest** in the Smartports window.)
- Synchronize the time on your network devices to the PC time or to the time on a particular device.
- Manage MAC addresses on Catalyst Express 500 switches.
- Specify a path for Network Assistant to use when it archives a configuration.
- Search the online help system for a subject by entering a search term or phrase.

System Requirements

The system requirements are described in these sections:

- "Installation Requirements" section on page 4
- "Devices Supported" section on page 5
- "Cluster Compatibility" section on page 13

Installation Requirements

The PC on which you install Network Assistant must meet these minimum hardware requirements:

- Processor speed: Pentium 3, 1 GHz
- DRAM: 512 MB minimum, 1024 MB recommended for better performance
- Hard-disk space: 70 MB for the application alone, 200 MB recommended
- Number of colors: 65536
- Resolution: 1024 x 768
- Font size: small

These operating systems support Network Assistant:

- Windows Vista Ultimate
- Windows XP, Service Pack 1 or later
- Windows 2000, Service Pack 3 or later

- Windows 2003 Server Pack 1 or later
- Macintosh OS X

64-bit Windows versions are not tested or officially supported. You will need write permission to your home directory and to the Network Assistant installation directory so Network Assistant can create the necessary log files and preference files.

Devices Supported

Table 1 list the devices that Network Assistant supports. It supports the Catalyst Express 500 devices only as community members; these devices cannot be cluster members.

Table 1 Devices Supported

Catalyst 3750 Switches	Description
WS-C3750-24FS-S	24 100BASE-FX and 2 SFP module uplinks
WS-C3750-24TS	24 Ethernet 10/100 ports and 2 SFP module uplinks
WS-C3750-48TS	48 Ethernet 10/100 ports and 4 SFP module uplinks
WS-C3750G-24T	24 Ethernet 10/100/1000 ports
WS-C750G-24TS	24 Ethernet 10/100/1000 ports and 4 SFP module uplinks
WS-C3750G-12S	12 SFP ports
WS-C3750-24PS	24 Ethernet 10/100 PoE ports and 2 SFP module uplinks
WS-C3750-48PS	48 Ethernet 10/100 PoE ports and 4 SFP module uplinks
WS-C3750G-16TD	16 Ethernet 10/100/100 ports and 1 10-Gigabit SFP
WS-C3750G-24PS-W12	24 Ethernet 10/100/100 PoE ports, 2 SFP module uplinks, and an integrated wireless controller for up to 12 access points
WS-C3750G-24PS-W24	24 Ethernet 10/100/100 PoE ports, 2 SFP module uplinks, and an integrated wireless controller for up to 24 access points
WS-C3750G-48PS	48 Ethernet 10/100/100 PoE ports and 4 SFP module uplinks
WS-C3750G-48TS	48 Ethernet 10/100/100 ports and 4 SFP module uplinks
WS-C3750G-24PS	24 Ethernet 10/100/100 PoE ports and 4 SFP module uplinks
WS-C3750G-24TS	24 Ethernet 10/100/100 ports and 4 SFP module uplinks
WS-C3750E-24TD	24 10/100/1000 Ethernet ports and 2 10-Gigabit Ethernet module slots
WS-C3750E-48TD	48 10/100/1000 Ethernet ports and 2 10-Gigabit Ethernet module slots
WS-C3750E-24PD	24 10/100/1000 PoE ports and 2 10-Gigabit Ethernet module slots
WS-C3750E-48PD WS-3750E-48PD (Full Power)	48 10/100/1000 PoE ports (370 W) and 2 10-Gigabit Ethernet module slots 48 10/100/1000 PoE ports (740 W) and 2 10-Gigabit Ethernet module slots
Catalyst 3560 Switches	**Description**
WS-C3560-8PC	8 10/100 PoE ports and 1 dual-purpose port (one 10/100/1000BASE-T copper port and one SFP module slot)
WS-C3560-24TS	24 10/100 ports and 2 SFP module slots
WS-C3560-48TS	48 10/100 ports and 4 SFP module slots

Table 1 Devices Supported (continued)

WS-C3560-48PS	48 10/100 PoE ports and 4 SFP module slots
WS-C3560E-12D	10-Gigabit Ethernet X2 module slots
WS-C3560E-12SD-E	12 SFP module slots, 2 10-Gigabit Ethernet X2 module slots and IP services software feature set (IPS)
WS-C3560E-12SD-S	12 SFP module slots, 2 10-Gigabit Ethernet X2 module slots and IP base software feature set (IPB)
WS-C3560-24PS	24 Ethernet 10/100 PoE ports and 2 SFP module uplinks
WS-C3560G-48PS	48 Ethernet 10/100/100 PoE ports and 4 SFP module uplinks
WS-C3560G-48TS	48 Ethernet 10/100/100 ports and 4 SFP module uplinks
WS-C3560G-24PS	24 Ethernet 10/100/100 PoE ports and 4 SFP module uplinks
WS-C3560G-24TS	24 Ethernet 10/100/100 ports and 4 SFP module uplinks
WS-C3560E-24TD	24 10/100/1000 Ethernet ports and 2 10-Gigabit Ethernet module slots
WS-C3560E-48TD	48 10/100/1000 Ethernet ports and 2 10-Gigabit Ethernet module slots
WS-C3560E-24PD	24 10/100/1000 PoE ports and 2 10-Gigabit Ethernet module slots
WS-C3560E-48PD WS-C3560E-48PD (Full Power)	48 10/100/1000 PoE ports (370 W) and 2 10-Gigabit Ethernet module slots 48 10/100/1000 PoE ports (740 W) and 2 10-Gigabit Ethernet module slots
Catalyst 3550 Switches	**Description**
WS-C3550-12G	10 GBIC-based Ethernet port and 2 fixed 10/100/1000BASE-T ports
WS-C3550-12T	10 fixed 10/100/1000BASE-T and 2 GBIC-based Ethernet ports
WS-C3550-24-DC	24 Ethernet 10/100 ports and 2 GBIC-based Ethernet ports, DC powered
WS-C3550-24	24 Ethernet 10/100 ports and 2 GBIC-based Ethernet ports
WS-C3550-48	48 Ethernet 10/100 ports and 2 GBIC-based Ethernet ports
WS-C3550-24PWR	24 Ethernet 10/100 ports with integrated inline power and 2 GBIC-based Ethernet ports
WS-C3550-24-FX	24 100FX ports and 2 GBIC-based Ethernet ports
Cisco IE 3000 Series Switches	**Description**
IE-3000-4TC	4 10/100BASE-T Ethernet ports, 2 dual-purpose ports, each with a 10/100/1000BASE-T copper port and 1 SFP module slot
IE-3000-8TC	8 10/100BASE-T Ethernet ports, 2 dual-purpose ports, each with a 10/100/1000BASE-T copper port and 1 SFP module slot
IEM-3000-8TM	Expansion module with 8 10/100BASE-T copper Ethernet ports
IEM-3000-8FM	Expansion module with 8 100BASE-FX optical Ethernet ports
Catalyst 2970 Switches	**Description**
WS-C2970G-24T	24 Ethernet 10/100/1000 ports
WS-C2970G-24TS	24 Ethernet 10/100/1000 ports and 4 SFP module slots
Catalyst 2960 Switches	Description
WS-C2960-24TC-L	24 Ethernet 10/100 ports and 2 dual-purpose uplinks (LAN base image)
WS-C2960-48TC-L	48 Ethernet 10/100 ports and 2 dual-purpose uplinks (LAN base image)
WS-C2960-24TT-L	24 Ethernet 10/100 ports and 2 10/100/1000 TX uplinks (LAN base image)

Table 1 Devices Supported (continued)

WS-C2960-48TT-L	48 Ethernet 10/100 ports and 2 10/100/1000 TX uplinks (LAN base image)
WS-C2960G-24TC-L	20 Ethernet 10/100/1000 ports and 4 dual-purpose uplinks (LAN base image)
WS-C2960G-48TC-L	44 Ethernet 10/100/1000 ports and 4 dual-purpose uplinks (LAN base image)
WS-C2960-24TC-S	24 Ethernet 10/100 ports and 2 dual-purpose uplinks (LAN lite image)
WS-C2960-48TC-S	48 Ethernet 10/100 ports and 2 dual-purpose uplinks (LAN lite image)
WS-C2960-24-S	24 Ethernet 10/100 ports (LAN lite image)
WS-C2960-48TT-S	48 Ethernet 10/100 ports and 2 10/100/1000 uplinks (LAN lite image)
WS-C2960-8TC-S	8 Ethernet 10/100 ports, 1 10/100/1000 uplinks (LAN lite image)
WS-C2960-8TC-L	8 10/100 Ethernet ports and 1 dual-purpose port (one 10/100/1000BASE-T copper port and one SFP module slot)
WS-C2960G-8TC-L	7 10/100/1000 Ethernet ports and 1 dual-purpose port (one 10/100/1000BASE-T copper port and one SFP module slot)
WS-2960-24PC-L	24 10/100 ports PoE ports, 2 10/100/1000BASE-T copper ports and 2 SFP module slots (LAN base image)
WS-2960-24PD-8TT-L	8 10/100 ports and 1 10/100/1000 port that receives power
WS-2960-24LT-L	24 10/100 ports (8 of which are PoE) and 2 10/100/1000 ports (LAN base image)
Catalyst 2955 Switches	**Description**
WS-C2955T-12	12 Ethernet 10/100 ports and 2 fixed 10/100/1000BASE-T ports
WS-C2955C-12	12 Ethernet 10/100 ports and 2 fixed 100BASE-FX ports
WS-C2955S-12	12 Ethernet 10/100 ports and 2 fixed 1000BASE-LX ports
Catalyst 2950 Switches	**Description**
WS-C2950-12	12 Ethernet 10/100 ports (SI)
WS-C2950-24	24 Ethernet 10/100 ports (SI)
WS-C2950C-24	24 Ethernet 10/100 ports and 2 fixed 100BASE-FX ports (EI)
WS-C2950G-12	12 Ethernet 10/100 ports and 2 GBIC-based Gigabit Ethernet ports (EI)
WS-C2950G-24	24 Ethernet 10/100 ports and 2 GBIC-based Gigabit Ethernet ports (EI)
WS-C2950G-48	48 Ethernet 10/100 ports and 2 GBIC-based Gigabit Ethernet ports (EI)
WS-C2950G-24-DC	24 Ethernet 10/100 ports and 2 GBIC-based Gigabit Ethernet ports, DC powered (EI)
WS-C2950SX-24	24 Ethernet 10/100 ports and 2 fixed 1000BASE-SX ports (SI)
WS-C2950SX-48	48 Ethernet 10/100 ports and 2 fixed 1000BASE-SX ports (SI)
WS-C2950T-24	24 Ethernet 10/100 ports and 2 fixed 10/100/1000BASE-T ports (EI)
WS-C2950T-48	48 Ethernet 10/100 ports and 2 fixed 10/100/1000BASE-T ports (EI)
WS-C2950ST-8LRE	8 LRE ports, 2 10/100/1000 ports, and 2 SFP module uplinks
WS-C2950ST-24LRE	24 LRE ports, 2 10/100/1000 ports, and 2 SFP module uplinks
Catalyst 2940 Switches	**Description**
WS-C2940-8TT	8 Ethernet 10/100 ports and 1 fixed 10/100/1000BASE-T port
WS-C2940-8TF	8 Ethernet 10/100 ports,1 fixed 100BASE-FX, and 1 fixed 1000BASE-X SFP module port

Table 1 Devices Supported (continued)

Catalyst 2918 Switches	**Description**
WS-C2918-24TT-C	24 10/100 BASE-TX Ethernet ports and 2 10/100/1000BASE-T copper ports
WS-C2918-24TC-C	24 10/100BASE-TX Ethernet ports and 2 dual-purpose uplinks. Each uplink port is considered a single interface with dual front ends (RJ-45 connector and SFP module slot)
WS-C2918-48TT-C	48 10/100 BASE-TX Ethernet ports and 2 10/100/1000BASE-T copper uplink ports
WS-C2918-48TC-C	48 10/100BASE-TX Ethernet ports and 2 dual-purpose ports
SFP modules	1000Base-LX/LH, -SX,100Base-FX
Blade Switches	
Catalyst 3125 Switches	**Description**
WS-CBS3125G-S	18 internal Gigabit Ethernet 1000BASE-X ports, 4 Gigabit Ethernet (RJ-45) uplink ports, 4 RJ-45 SFP module slots and 1 Ethernet management port
WS-CBS3125X-S	18 internal Gigabit Ethernet 1000BASE-X ports, 4 Gigabit Ethernet (RJ-45) uplink ports, 4 RJ-45 SFP module slots, 2 10-Gigabit Ethernet X2 module slots and 1 Ethernet management ports
Catalyst 3110 Blade Switch Modules for IBM	Description
WS-CBS3110G-S WS-CBS3110G-S-I	4 external 10/100/1000BASE-T Ethernet ports, 14 internal 1000BASE-X Ethernet downlink ports, 1 internal 100BASE-T Ethernet management port, 2 StackWise Plus ports
WS-CBS3110X-S WS-CBS3110X-S-I	1 external 10-Gigabit Ethernet module slot, 14 internal 1000BASE-X Ethernet downlink ports, 1 internal 100BASE-T Ethernet management port, 2 StackWise Plus ports
Catalyst 3012 Blade Switches for IBM	**Description**
WS-CBS3012-IBM-I WS-CBS3012-IBM	4 external 10/100/1000BASE-T Ethernet ports, 14 internal 1000BASE-X Ethernet downlink ports, 1 internal 100BASE-T Ethernet management port
Catalyst 3020 Blade Switches for HP	**Description**
WS-CBS3020-HP	16 internal 1000BASE-X ports, 8 10/100/100 copper ports and 4 shared SFP module slots
Catalyst Blade Switch 3030 for Dell	**Description**
WS-CBS3030-DEL-F WS-CBS3030-DEL-S	10 internal 1000BASE-X ports, 2 external 10/100/1000 copper ports, and 4 SFP module slots
Catalyst Blade Switch 3040 for FSC	**Description**
WS-CBS3040-FSC	10 internal 1000BASE-X ports, 2 external 10/100/1000 copper ports, and 4 SFP module slots
CIGESM Blade Switch	**Description**
OS-CIGESM-18TT-EBU	14 internal 1000BASE-X ports and 4 external 10/100/1000 copper ports
Catalyst 3120 Blade Switches for HP	**Description**
WS-CBS3120G-S	18 internal Gigabit Ethernet 1000BASE-X ports, 4 Gigabit Ethernet (RJ-45) uplink ports, 4 RJ-45 SFP module slots and 1 Ethernet management port

Table 1 Devices Supported (continued)

WS-CBS3120X-S	18 internal Gigabit Ethernet 1000BASE-X ports, 4 Gigabit Ethernet (RJ-45) uplink ports, 4 RJ-45 SFP module slots, 2 10-Gigabit Ethernet X2 module slots and 1 Ethernet management port
Catalyst 3130 Blade Switches for Dell	**Description**
WS-CBS3032-DEL (non-stackable) WS-CBS3032-DEL-F (non-stackable) WS-CBS3130-G-S WS-CBS3130-G-S-F	16 Ethernet 10/100/1000 ports, 4 fixed 1-Gigabit Ethernet SFP ports, and 1 fixed 100BASE-T Ethernet port
WS-CBS3130-X-S WS-CBS3130-X-S-F	16 Ethernet 10/100/1000 ports, 4 fixed 1-Gigabit Ethernet SFP ports, 2 10-Gigabit Ethernet X2 module slots, and 1 fixed 100BASE-T Ethernet port
Catalyst 3500 XL Switches	**Description**
WS-C3508G-XL	8 GBIC-based Gigabit Ethernet ports
WS-C3512-XL	12 Ethernet 10/100 ports and 2 GBIC-based Gigabit Ethernet ports
WS-C3524-XL	24 Ethernet 10/100 ports and 2 GBIC-based Gigabit Ethernet ports
WS-C3524-PWR-XL	24 Ethernet 10/100 inline power ports and 2 GBIC-based Gigabit Ethernet ports
WS-C3548-XL	48 Ethernet 10/100 and 2 GBIC-based Gigabit Ethernet ports
Catalyst 2900 XL Switches	**Description**
WS-C2912-LRE-XL	4 Ethernet 10/100 ports and 12 LRE ports
WS-C2924-LRE-XL	4 Ethernet 10/100 ports and 24 LRE ports
WS-C2912-XL	12 Ethernet 10/100 ports
WS-C2924C-XL	24 Ethernet 10/100 ports and 2 100BASE-FX ports, 8 Mb only
WS-C2924-XL	24 Ethernet 10/100 ports, 8 Mb only
WS-C2912MF-XL	12 100BASE-FX ports and 2 expansion slots
WS-C2924M-XL	24 Ethernet 10/100 ports and 2 expansion slots
Catalyst Express 500 Switches	**Description**
WS-CE500-24TT	24 Ethernet 10/100 ports and 2 10/100/1000BASE-T ports
WS-CE500-24LC	20 Ethernet 10/100 ports, 4 10/100 PoE, and 2 10/100/1000BASE-T ports or SFP module ports
WS-CE500-24PC	24 10/100 PoE ports and 2 10/100/1000BASE-T ports or SFP module ports
WS-CE500G-12TC	8 10/100/1000BASE-T ports and 4 10/100/1000BASE-T ports or SFP module ports
Catalyst Express 520 Series Switches	**Description**
WS-CE520-8PC-K9	8 10/100 access ports with PoE and 1 10/100/1000BASE-T or SFP module uplinks
WS-CE520-24TT-K9	24 10/100 access ports and 2 10/100/1000BASE-T uplinks
WS-CE520-24LC-K9	20 10/100 access ports, 4 10/100 access ports with PoE ports, and 2 10/100/1000BASE-T or SFP module uplinks
WS-CE520-24PC-K9	24 10/100 access ports with PoE and 2 10/100/1000BASE-T or SFP module uplinks

Table 1 Devices Supported (continued)

WS-CE520G-24TC-K9	24 10/100/1000BASE-T ports and 2 10/100/1000BASE-T or SFP module uplinks
Catalyst 4500, Catalyst 4900, and Catalyst 4500 E-Series	
Chassis	**Description**
WS-C4503	Catalyst 4503; 3-slot modular chassis
WS-C4506	Catalyst 4506; 6-slot modular chassis
WS-C4507R	Catalyst 4507R; 7-slot modular chassis
WS-C4510R	Catalyst 4510R; 10-slot modular chassis
WS-C4503-E	Catalyst 4503-E; 3-slot modular chassis with CenterFlex technology
WS-C4506-E	Catalyst 4506-E; 6-slot modular chassis with CenterFlex technology
WS-C4507R-E	Catalyst 4507R-E; 7-slot modular chassis with CenterFlex technology
WS-C4510R-E	Catalyst 4510R-E; 10-slot modular chassis with CenterFlex technology
Switches	Description
WS-C4948	Catalyst 4948; 44 Ethernet 10/100/1000 ports, 4 ports alternative-wired SFP module
WS-C4948-10GE	48 fixed 10/100/1000BASE-T ports and 2 ports X2-based
WS-C4900M-10GE	Catalyst 4900M partially fixed and partially modular switch
Supervisors	**Description**
WS-X4013+TS	Catalyst 4500 Series Supervisor Engine II-Plus TS
WS-X4013+	Catalyst 4500 Series Supervisor Engine II-Plus
WS-X4515	Catalyst 4500 Supervisor Engine IV
WS-X4516	Catalyst 4516 Supervisor Engine V
WS-X4516-10GE	Catalyst 4516 10-Gigabit Supervisor Engine V with 2 ports X2-based or 4 ports alternative-wired SFP module
WS-X45-SUP6-E	Catalyst 4500 E-Series Supervisor Engine 6-E
Supervisor Daughter Card	**Description**
WS-F4531	NetFlow Services daughter card
Power Supplies	Description
PWR-RPS2300	Cisco Redundant Power Supply 2300 for the Catalyst 3750-E and 3560-E switches
C3K-PWR-1150WAC	FRU power supply module for the Catalyst 3750-E and 3560-E switches and for the Cisco Redundant Power System 2300
C3K-PWR-750WAC	FRU power supply module for the Catalyst 3750-E and 3560-E switches and for the Cisco Redundant Power System 2300
C3K-PWR-265WAC	FRU power supply module for the Catalyst 3750-E and Catalyst 3560-E switches.
C3K-PWR-265WDC	FRU power supply module for the Catalyst 3750-E and Catalyst 3560-E switches
PWR-C45-1000AC	1000-W AC power supply (data only)
PWR-C45-1300ACV	1300-W AC power supply (data and PoE)
PWR-C45-1400AC	1400-W AC power supply
PWR-C45-1400DC-P	1400-W DC power supply with integrated PEM
PWR-C45-2800ACV	2800-W AC power supply (data and PoE)

Table 1 Devices Supported (continued)

PWR-C45-4200ACV	4200-W AC power supply with integrated PoE
Switching Modules	**Description**
WS-X4124-RJ45	24-port 10/100 with RJ-45 connectors
WS-X4124-FX-MT	24-port Fast Ethernet 100BASE-FX, multimode fiber with MT-RJ connectors
WS-X4148-FX-MT	48-port Fast Ethernet 100BASE-FX, multimode fiber with MT-RJ connectors
WS-X4148-FE-LX-MT	48-port Fast Ethernet 100BASE-LX10, single-mode fiber with MT-RJ connectors
WS-X4148-RJ	48-port 10/100 with RJ-45 connectors
WS-X4148-RJ21	48-port Ethernet 10/100-Mb/s with 4 telco connectors
WS-X4148-RJ45V	48-port Ethernet 10/100-Mb/s inline power
WS-X4224-RJ45V	24-port 10/100 PoE IEEE 802.3af-compliant with RJ-45 connectors
WS-X4232-GB-RJ	32-port Ethernet 10/100 and 2 GBIC uplinks
WS-X4248-RJ21V	48-port 10/100 PoE IEEE 802.3af-compliant with telco connectors
WS-X4248-RJ45V	48-port 10/100 PoE IEEE 802.3af-compliant with RJ-45 connectors
WS-X4302-GB	2 GBIC ports
WS-X4424-GB-RJ45	24-port 10/100/1000 with RJ-45 connectors
WS-X4418-GB	18 GBIC ports
WS-X4448-GB-RJ45	48-port Ethernet 10/100/100 with RJ-45 connectors
WS-X4448-LX	48-port 1000BASE-X, SFP-based with LC connectors (SFP optics included)
WS-X4448-SFP	48-port 1000BASE-X ports, SFP-based with LC connectors
WS-X4548-GB-RJ45	Enhanced 48-port 10/100/1000 with RJ-45 connectors
WS-X4524-GB-RJ45V	24-port 10/100/1000 PoE IEEE 802.3af-compliant with RJ-45 connectors
WS-X4548-GB-RJ45V	48-port 10/100/1000 PoE IEEE 802.3af-compliant with RJ-45 connectors
WS-X4306-GB	6 GBIC ports
WS-X4506-GB-T	6-port 10/100/1000 PoE IEEE 802.3af-compliant or SFP-module based
WS-X4648-RJ45V-E	48-port RJ-45 IEEE 802.3af PoE 10/100/1000
WS-X4648-RJ45V+E	48-Port Premium PoE 10/100/1000
WS-X4606-X2-E	6-port 10-Gigabit Ethernet X2
WS-X4624-SFP-E	24-port 1000BASE-X ports, SFP-based with LC connectors
WS-X4248-FE-SFP	48-port 100BASE-X ports, SFP-based with LC connectors
WS-X4624-SFP-E (Catalyst 4500 E-series switches) WS-X4248-FE-SFP (Catalyst 4500 series switches)	
Catalyst 4900M Switching Modules	
WS-X4920-GB-RJ45	20-port 10/100/1000 half card with RJ-45 connectors
WS-X4904-10GE	4-port 10-Gigabit Ethernet X2 half card
WS-X4908-10GE	8-port 10-Gigabit Ethernet X2 half card
Routers	
Cisco 800 Series Small Office Home Office Routers: C-831, C-836, C-837, C-851, C-857, C-876, C-877, C-878, 877M	

Table 1 Devices Supported (continued)

Cisco 1700 Series Modular Access Routers: C1701, C1710, C1711, C1712, C1721, C1751, C1751-V, C1760
Cisco 1800 Series Integrated Services Routers: C1801, C1801W, C1802, C1802W, C1803, C1803W, C1811, C1811W, C1812, C1812W, C1841, C1861
Cisco 2600 Series Multiservice Platforms: C2610XM, C2611XM, C2620XM, C2621XM, C2650XM, C2651, C2651XM, C2691
Cisco 2800 Series Integrated Services Routers: C2801, C2811, C2821, C2851
Cisco 3700 Series Multiservice Access Routers: 3725, 3745
Cisco 3800 Series Integrated Services Routers: 3825, 3845
Additional Devices
EtherSwitch Service Modules on Cisco 2800 Series and Cisco 3800 Series Integrated Services Routers
Catalyst 6500 Series Switch with the Catalyst 6500 Supervisor Engine 32
PIX-501, PIX-506, PIX-506E, PIX-515, PIX-515E, PIX-525, and PIX-535 firewalls
ASA 5505, ASA 5510, ASA 5520, and ASA 5540 Adaptive Security Appliances
All Cisco IP phones
Aironet 350 Series Access Points: AIR-AP350
Aironet 1100 Series Access Points: AIR-AP1120B-E-K9, AIR-AP1120B-I-K9, AP1120B-J-K9,AIR-AP1121G-A-K9, AIR-AP1121G-E-K9, AIR-AP1121G-J-K9, AIR-AP1131AG-A-K9, AIR-AP1131AG-C-K9, AIR-AP1131AG-E-K9, AIR-AP1131AG-J-K9, AIR-AP1131AG-N-K9, AIR-AP1131AG-K-K9, AIR-AP1131AG-P-K9, AIR-AP1131AG-S-K9, AIR-AP1131AG-T-K9
Aironet 1200 Series Access Points: AIR-A12P10B-A-K9, AIR-AP1200, AIR-AP1210, AIR-AP1220,AIR-AP1220A-A-K9, AIR-AP1220A-J-K9, AIR-AP1220B-A-K9, AIR-AP1220B-E-K9, AIR-AP1220B-J-K9, AIR-AP1230A-A-K9, AIR-AP1230A-J-K9, AIR-AP1230A-T-K9, AIR-AP1230B-A-K9, AIR-AP1230B-E-K9, AIR-AP1230B-J-K9, AIR-AP1231G-A-K9, AIR-AP1231G-E-K9, AIR-AP1231G-I-K9, AIR-AP1231G-J-K9, AIR-AP1232AG-A-K9, AIR-AP1232AG-E-K9, AIR-AP1232AG-J-K9, AIR-AP1232AG-N-K9, AIR-AP1232AG-C-K9, AIR-AP1232AG-P-K9, AIR-AP1232AG-S-K9, AIR-AP1232AG-T-K9, AIR-AP1242AG-A-K9, AIR-AP1242AG-E-K9, AIR-AP1242AG-I-K9, AIR-AP1242AG-J-K9, AIR-AP1242AG-N-K9, AIR-AP1242AG-C-K9, AIR-AP1242AG-P-K9, AIR-AP1242AG-S-K9, AIR-AP1242AG-T-K9, AIR-AP1242AG-K-K9

Note The Topology View of Network Assistant supports Catalyst 6500 switches. You cannot add these devices to a community or cluster, but you can start device manager for them from the Topology view.

Access Points

Cisco Aironet 350, 1100, and 1200 series. Network Assistant supports them only if they run a Cisco IOS image.

Note Network Assistant supports only autonomous access points. Access points that are managed by a wireless LAN controller are not supported.

Firewalls

Cisco PIX 515E firewalls. PIX firewalls do not support the Cisco Discovery Protocol, so they are not automatically shown as neighbors in the Topology view. They are shown only after you add them to a community by using a Create Community or Modify Community window. To see a PIX firewall link to another community member, you must add the link manually by selecting **Add Link** in a Topology popup menu.

Cluster Compatibility

This section describes how to choose command and standby command devices when a cluster consists of a mixture of Catalyst switches. When creating a device cluster or adding a devices to a cluster, follow these guidelines:

- When you create a device cluster, we recommend configuring the highest end device in your cluster as the command device.
- If you are managing the cluster through Network Assistant, the device that has the latest software release should be the command device.
- The standby command device must be the same type as the command device. For example, if the command device is a Catalyst 3750 switch, all standby command devices must be Catalyst 3750 switches.

Note Catalyst 4500 series switches cannot be configured as standby command devices.

Downloading Network Assistant

You can download Network Assistant from this site:

http://www.cisco.com/go/NetworkAssistant

For information on installing, starting, and connecting to Network Assistant, see *Getting Started with Cisco Network Assistant* at this site:

http://www.cisco.com/en/US/products/ps5931/prod_installation_guides_list.html

Updating Network Assistant

To update Network Assistant to a later release in the language that you are using, follow these steps:

1. Start Network Assistant.
2. Choose **Applications > Application Updates**.
3. In the Authentication window, enter your Cisco.com username and password.
4. In the Application Updates window, select **Yes** to install the latest updates.
5. Click **Restart** to restart Network Assistant.

Upgrading a Switch by Using Network Assistant

You can upgrade switch software in two ways by using Network Assistant:

- Drag and drop a software-image file from your PC, mapped drive, or network drive to a device icon in the Topology View.
- Select **Maintenance > Software Upgrade** from the feature bar.

For detailed instructions, click **Help**.

Minimum Cisco IOS Release

Table 2 lists the minimum software releases required for the devices that Network Assistant manages.

Table 2 Minimum Cisco IOS Release Required

Device	Minimum Software Release
All supported Cisco routers	12.2(15)T9
Catalyst 4500 series switches	12.2(20)EWA
Catalyst 3750 switches	12.1(11)AX
Catalyst 3560 switches	12.1(19)EA1b
Catalyst 3550 switches	12.1(4)EA1
Catalyst 2970 switches	12.1(11)AX
Catalyst 2960 switches	12.2(25)FX
Catalyst 2955 switches	12.1(12c)EA1
Catalyst 2950 switches	12.0(5.2)WC(1)
Catalyst 2950 LRE[1] switches	12.1(11)JY
Catalyst 2940 switches	12.1(13)AY
Catalyst 3500 XL switches	12.0(5.1)XU
Catalyst 2900 XL switches (8 MB)	12.0(5.1)XU
Catalyst Express 500 switches	12.2(25)FY
Cisco EtherSwitch service modules	12.2(25)EZ (switch software) 12.3(14)T (router software)
All supported Cisco access points	12.2(15)JA
Cisco PIX firewalls	6.3(4)

1. LRE = Long-Reach Ethernet

Limitations and Restrictions

You should review this section before you begin working with the device. These are known limitations that will not be fixed, and there is not always a workaround. Some features might not work as documented, and some features could be affected by recent changes to the device hardware or software.

These sections describe the limitations and restrictions:

- "Cluster Limitations and Restrictions" section on page 15
- "Network Assistant Limitations and Restrictions" section on page 16

Cluster Limitations and Restrictions

These limitations apply only to the Catalyst 4500 series switches:

- By default, clustering is disabled on the Catalyst 4500 series switches.
- You must assign an IP address to the Catalyst 4500 series switch if it is a cluster command switch candidate. If the switch is a cluster member candidate, you might not need to assign an IP address.
- By default, the HTTP server is disabled on the Catalyst 4500 series switch. To connect the switch to Network Assistant, you must enable the HTTP server on all cluster members.
- The HTTP port number on Network Assistant and the Catalyst 4500 series switch must match.
- A Catalyst 4500 switch can be a cluster member only if another Catalyst 4500 switch is the command device.
- By default, the Catalyst 4500 series switch is configured with five vty lines. If the switch (such as a cluster command device with multiple cluster members) is connected to Network Assistant, you must configure at least eight + *n* vty lines, where *n* is the number of vty lines used by other applications. You can configure a maximum of 16 vty lines.
- Create a switch virtual interface (SVI) to use for intracluster communication. The SVI must be in the **no shut** state.

This limitation applies only to the Catalyst 4500 series and Catalyst 3750, 3560, 3550, and 2970 switches:

- If a Catalyst 2900 XL or 3500 XL cluster command device is connected to a Catalyst 3550 or a 3750 switch, the command device does not find any cluster candidates other than the 3550 or the 3750 switch candidates. You must add the 3550 or the 3750 switch to the cluster to see other cluster candidates. (CSCdt09918)

This limitation applies only to the Catalyst 4500 series and Catalyst 3750, 3560, 3550, and 2970 switches:

- If both the active command device and the standby command device fail at the same time, the cluster is not automatically recreated. Even if there is a third passive command device, it might not recreate all cluster members because it might not have all the latest cluster configuration information. You must manually recreate the cluster if both the active and standby command devices simultaneously fail. (CSCdt43501)
- When the active device fails in a device cluster that uses Hot Standby Routing Protocol (HSRP) redundancy, the new active device might not contain a full cluster member list.

  The workaround is to ensure that the ports on the standby cluster members are not in the Spanning Tree Protocol (STP) blocking state. See the "Configuring STP" chapter in the software configuration guide for more information about verifying port status. (CSCec31495)

This limitation applies only to the Catalyst 3750 and 3750-E switches:

- CSCsg80623

  On Catalyst 3750 and 3750-E switches, when running on-demand diagnostic tests on both the stack master and stack member switches, sometimes the tests execute only on the stack master.

  Use one of these workarounds:

  - Execute the tests on the stack members first, and then run the tests separately on the stack master.
  - Schedule the tests to run *once* on both the stack master and stack member switches.

This limitation applies only to the Catalyst 2955, 2950, and 2940 switches:

- When a cluster of devices have Network Time Protocol (NTP) configured, the command device is not synchronized with the rest of the devices. (CSCdz88305)

Network Assistant Limitations and Restrictions

These are the Network Assistant limitations and restrictions:

These limitations apply to all the devices described in the "Devices Supported" section on page 5:

- CNA supports the standard ASCII character set. Do not enter characters from extended ASCII character sets in GUI fields for feature options.
- A red border appears around the text-entering area of some Network Assistant windows. The color of the border changes to green when text is entered. The colored border does not prevent you from entering text. (CSCdv82352)
- You cannot switch modes (for example, from guide mode to expert mode) for an open Network Assistant window. The workaround is to close the open window, select the mode that you want, and then reopen the Network Assistant window. For the mode change to take effect on any other Network Assistant window that is open, you need to close that window and then reopen it after you select the new mode. (CSCdw87550)
- If you open a window in which you can enter text, open another window, and return to the first window, right-clicking in the text field might make the cursor in this field disappear. You can still enter text in the field. (CSCdy44189)
- When the active device fails in a device cluster that uses HSRP redundancy, the new active device might not contain a full cluster member list.

  The workaround is to ensure that the ports on the standby cluster members are not in the STP blocking state. See the "Configuring STP" chapter in the software configuration guide for information about verifying port status. (CSCec31495)
- In the Port Settings window, you must apply a change to some speed settings before you can change a duplex setting.

  After you configure a speed setting, click **Apply**, and then configure a duplex setting. (CSCeh43889)
- When there are more than one neighbor devices of the same device type and they have same hostname, the Topology view displays only one neighbor device instead of displaying all the neighbor devices.

  The workaround is to not have same hostname for more than one device. (CSCsb50280).

- CSCsd06275

  The Smartports window shows the NME-XD-24ES-1S-P EtherSwitch service module with two Mode buttons instead of one.

  There is no workaround.

- When using the Application Update feature to update Network Assistant, this message appears in the Package Installation window:

```
Package Installation failed.
Please try re-installing the packages.
Unable to connect to Cisco site.
Please check your internet connectivity.
```

  This message appears if even if you have Internet connectivity.

  The workaround is to update to the latest version of Network Assistant by using the installer. See the "Downloading Network Assistant" section on page 13. (CSCsh21515)

- CSCsl80850

  In the Modify VLAN window if you switch the vlan IDs of the isolated VLAN and the community VLAN and then click **OK** and **Apply**, these changes do not appear in the VLANs window.

  The workaround is to do the same steps again. This time the changes take place.

Catalyst 4500 Series Switches

On Catalyst 4500 series switches, Network Assistant supports only the features shown in Table 3:

Table 3 Features Supported by Catalyst 4500 Series Switches

Menu Path	Features
Configure	Smartports, Power Supplies, Save Configuration
Configure > Ports	Port Settings
Configure > Security	Security Wizard, Port Security
Configure > Switching	VLANs, MAC Addresses, Voice VLAN
Configure > Device Properties	IP Addresses, Hostname, System Time, HTTP Port, Users and Passwords, SNMP
Configure > Clusters	Cluster Conversion Wizard, Create Cluster, Delete Cluster, Add To Cluster, Remove From Cluster, Hop Count
Monitor	Health, Event Notification, System Messages, Search
Monitor > Reports	Inventory, Bandwidth Graphs, Link Graphs, ARP
Monitor > Views	Front Panel, Topology
Troubleshoot	Ping and Trace, Diagnostics
Maintenance	Software Upgrade, File Management, Configuration Archive, System Reload, Telnet

These limitations apply to the Catalyst 4500 Series switches:

- In Network Assistant, some windows, such as VLAN, Hostname, and so on, might not open from the Front Panel view popup menu for Catalyst 4500 series switches.

The workaround is to close Network Assistant and restart it. (CSCef67553)

- You cannot see the PoE columns in the Port Settings window for Catalyst 4503, 4506, or 4507R switches that run Cisco IOS 12.2(20)EWA and have a WS-4548, WS-4524, or WS-4506-GB-T PoE line card.

  The workaround is to upgrade the software on the switch to a later version of Cisco IOS. (CSCeh75133)

- You cannot see the EIRGP tab in the IP Routing Protocols window for Catalyst 4900, 4500, and 4500-E switches.

  The workaround is to configure EIRGP by using the command-line interface. (CSCsl50691)

Community Limitations

These limitations apply only to communities:

- A community can contain up to 40 devices. This limit is enforced whenever you add devices to a community.
- CSCsd04956

  The Topology view does not show the internal Gigabit Ethernet link between routers and the EtherSwitch service modules NME-16ES-1G and NME-X-23ES-1G.

  There is no workaround.

- Changes to the topology or the network do not propagate across all open Network Assistant sessions connected to the same community. You see this inconsistency when multiple Network Assistant sessions are open on one desktop and they are pointing to the same community.

  Open one Network Assistant session per desktop per community. (CSCeh53619)

- The Topology view sometimes displays duplicate devices and links. There is no workaround. (CSCeh61352)
- In the Topology view, the redundant link for an HSRP group is not shown. There is no workaround. (CSCeh54526)
- If a community has members that are connected to a member through a hub or a Gigastack module, the Topology view shows all the connections. However, if nonmembers are connected to a community member through a hub or a Gigastack module, the Topology view shows only the connection of the first nonmember.
- Accessing a community through a router running Network Address Translation (NAT) is not supported.
- When a device with a device ID that exceeds 40 characters is added to the community, its link disappears. The device ID is usually the hostname, but if a domain name is specified, the device ID is in the form hostname.domain-name. There is no workaround, other than to limit the size of the device ID to 40 characters or less. (CSCsi77210)

Cluster Limitations

These limitations apply only to clusters:

- When you add a new member with a username and password that is different from the existing cluster member usernames and passwords, Network Assistant produces an exception error because of an authentication failure.

The workaround is to add the new member without a username and password. When the new member is added to the cluster, remove the existing username and password from the Username and Password fields, enter a new username and password, and then apply it to all cluster members. (CSCdz07957)

- Changing the password or current authentication while Network Assistant is running causes HTTP requests to fail.

  The workaround is to close all Network Assistant sessions and then to restart it. (CSCeb33995)

- When TACACS authentication is enabled only on a command device, member devices cannot be configured.

  The workaround is to enable TACACS authentication on the member devices. (CSCed27723)

- When there are Catalyst 2950 and 2955 devices in a cluster, and you open the QoS Queue window to configure the devices, and then try to view the settings for other devices by using the device selection menu, Network Assistant halts after 20 to 30 selections.

  The workaround is to close and then to restart Network Assistant. (CSCed39693)

- A Java exception error occurs when Network Assistant is in read-only mode and you start the Port Settings window. This only occurs on Catalyst 3500 XL, 2950 LRE, and 2900 XL switches.

  The workaround is to open the Port Settings window with Network Assistant in read-write mode. (CSCee25870)

- After a cluster member loses connectivity, the connect icon in the status bar incorrectly displays a connect status instead of a disconnect status.

  There is no workaround. (CSCee93695)

- If a Catalyst 2970 switch is a cluster command device and a Catalyst 3750 or 3550 switch is a cluster member, enabling IGRP on a network on the Catalyst 3750 or 3550 switch creates a *Premature EOF* error.

  There is no workaround. Make the Catalyst 3750 or 3550 switch the command device.

  After you click Finish, you see the commands that are actually applied to the device. (CSCeg60365)

- Zooming in or zooming out on the time axis of a bandwidth graph when the axis approaches noon or midnight might cause the time increments to be incorrectly labeled.

  Close the Bandwidth Graph window, reopen it, and zoom in or out again. (CSCej02776)

Community and Cluster Limitations

These limitations apply to both communities and clusters:

- When the Link Graphs application has run for hours displaying packet drop and error information, sometimes the X-axis crosses the Y-axis at a negative Y value instead of at Y= 0. This condition occurs with all supported operating systems, browsers, and Java plug-ins. There is no workaround. (CSCdz32584)
- After you click **Apply** or **Refresh** in the Simple Network Management Protocol (SNMP) window, the window size changes. (CSCdz75666, CSCdz84255)
- When you enable log scaling for Link Graphs, the Y-axis scale becomes illegible. There is no workaround. (CSCdz81086)

- If an access control list (ACL) is deleted from a device, all QoS classes on Catalyst 2970 and 3750 switches that use this ACL for traffic classification become unusable. The modification of these classes to use any other traffic classification (match statement) fails. The workaround is to delete the QoS class that uses the undefined ACL and then, recreate it with the intended traffic classification (match statement). (CSCed40866)
- When an Open Shortest Path First (OSPF) summary address is added for a 10.x.x.x network, a Windows exception error sometimes occurs.

  The workaround is to add the address by using the **router ospf** <*process-id*>, **area** <*area-id*>, and **range** <*address*> <*mask*> configuration commands. (CSCed87031)
- Hostnames and Domain Name System (DNS) server names with commas for a cluster command device, member device, or candidate device can cause Network Assistant to behave unexpectedly.

  You can correct his by not using commas in hostnames or DNS names. Do not enter commas when also entering multiple DNS names in the IP Configuration tab of the IP Management window in Network Assistant.
- Access control entries (ACEs) that contain the **host** keyword precede all other ACEs in standard ACLs. You can reposition the ACEs in a standard ACL with one restriction: No ACE with the **any** keyword or a wildcard mask can precede an ACE with the **host** keyword.
- If Network Assistant loses IP connectivity to the switch and an action is performed in the IP Address window, a Java exception error occurs.

  The workaround is to close and to reopen the IP Address window when connectivity is restored. (CSCee91784)
- When you reload a device by using Network Assistant, it saves the running configuration. If you want to reload without saving the running configuration, use the CLI. (CSCeh24259)
- If a dual-media port on a Catalyst 4500 switch, model WS-C4948 or model WS-X4506-GB-T, is configured to RJ-45 and you apply a Smartports port role, the port is changed to SFP, the default setting. The connection to the port is lost.

  The workaround is to reconfigure the media type to RJ-45 through the Port Settings window. (CSCeh31699)
- If you open the Modify Port Settings or the Modify Port Mode window twice in succession from the Front Panel view by right-clicking a port, selecting Port Settings or VLAN from the popup menu, and repeating these actions for another port, the windows display the settings for the port that you selected first.

  The workaround is to ensure that the **Interface** field in these windows applies to the port that you selected. Be sure to close these windows between port selections. (CSCei17154)
- After you perform a search, the TAB key moves the focus in the search results. If you press the TAB key enough to reach the end of the results, the next TAB keystroke moves the focus out of the search results and into the next-in-focus window on the Network Assistant desktop.

  The workaround is to Press **ALT-s** to return to the search results. (CSCei68648)
- Network Assistant does not verify whether the VLAN and the native VLAN are the same on the access point and the switch port that is connected to the access point. VLAN differences might cause wireless connectivity problems when you use the Secure Wireless feature.

  The workaround is to ensure that the VLANs and the native VLAN are the same on the access point and the switch port. (CSCsb77434)

Important Notes

These sections contain important notes related to Network Assistant:

- "Installation Notes" section on page 21
- "Compatibility with Cisco IOS" section on page 21
- "Cisco IOS Notes" section on page 21
- "Community Notes" section on page 22
- "Cluster Notes" section on page 22
- "Network Assistant Notes" section on page 22

Installation Notes

These are the installation notes that apply to Network Assistant:

- When you start Network Assistant, Java determines whether the resources it needs are available. If they are not, Java displays the message `Could not create Java Virtual machine`, and the session ends. To overcome this problem, open the file C:\Program Files\Cisco Systems\CiscoSMB\Cisco Network Assistant\startup\startup.properties (the default installation path), and modify this entry:

  JVM_MAXIMUM_HEAP=1024m

  Replace *1024m* with a lower setting that does not exceed the available RAM. There is no way to foresee what value will work. Try *512m*, and lower it further if necessary. You can use the dial peer tag range 2500 to 2999 out-of-band to define your own dial peers.
- If the Network Assistant InstallShield wizard fails to start, it is likely that the temporary folder location defined through the environment variables TMP and TEMP has some problem. Assigning a correct temporary folder location can fix such problems.

Compatibility with Cisco IOS

If you run Cisco IOS 12.2(25)SEE or later, Cisco IOS 12.2(25)SEG or later, or Cisco IOS 12.1(22)EA7 or later, you must run Network Assistant 4.0 or later.

Cisco IOS Notes

CSCdz01037

Network Assistant fails when a device is running the cryptographic software image and the vty lines have been configured with the **transport input ssh** and **line vty 0 15** global configuration commands only use SSH.

The workaround is to use the **transport input ssh telnet** and **line vty 0 15** global configuration commands to allow SSH and Telnet access through the vty lines. After you upgrade to Cisco IOS 12.2(25)SE or higher, you can enable http or https separately from Telnet.

Community Notes

This note applies to a community on all the devices described in the "Devices Supported" section on page 5:

All the devices for the topology of a community are derived from the "Cisco IOS CDP (Cisco Discovery Protocol)" table. Therefore, the Topology view shows duplicate devices when CDP discovers duplicate devices. This happens for a single device when you enter the **show cdp neighbor** command. Two devices appear: one with the actual hostname (for example, *abc*), the other with hostname.domainname (for example, *abc.cisco.com*).

Cluster Notes

This note applies to cluster configuration only on the Catalyst 3550 switches:

The **cluster setup** privileged EXEC command and the **standby mac-address** interface configuration command have been removed from the command-line interface (CLI) and the documentation because they did not function correctly.

Network Assistant Notes

These notes apply to Network Assistant configuration on all the devices described in the "Devices Supported" section on page 5:

- If you use Network Assistant on Windows 2000, it might not apply configuration changes if the enable password is changed from the CLI during your Network Assistant session. You have to restart Network Assistant and enter the new password when prompted. Platforms other than Windows 2000 prompt you for the new enable password when it is changed.
- Network Assistant does not display QoS classes that are created through the CLI if these classes have multiple match statements. When using Network Assistant, you cannot create classes that match more than one match statement. Network Assistant does not display policies that have such classes.
- Within an ACL, you can change the sequence of ACEs that have the **host** keyword. However, because such ACEs are independent of each other, the change has no effect on the way the ACL filters traffic.
- In the Front Panel view or Topology view, Network Assistant does not display error messages in read-only mode for these devices:
  - Catalyst 3550 member switches running Cisco IOS Release 12.1(6)EA1 or earlier
  - Catalyst 2950 member switches running Cisco IOS Release 12.0(5)WC2 or earlier
  - Catalyst 2900 XL or 3500 XL member switches running Cisco IOS Release 12.0(5)WC2 or earlier

  In the Front Panel View, if the device is running one of the software releases listed previously, the device LEDs do not appear. In Topology View, if the member is an LRE switch, the CPE devices that are connected to the switch do not appear. The Bandwidth and Link graphs also do not appear in these views.
- To use the Network Assistant on Windows Vista, you must first install the Telnet utility. Unlike earlier versions of Microsoft Windows, Telnet is not installed by default. You install Telnet as you would other Window components, from the programs folder in the control panel. (CSCsj37409)

- To successfully install and use the Network Assistant on Windows Vista, install the Network Assistant application in a folder that has full access privileges for the Network Assistant user. Otherwise, unexpected behavior can occur. (CSCsj50074)
- After installing the Network Assistant on Windows Vista, a warning message might appear that says the program might not have installed correctly. If this occurs, perform the following steps:
  1. Click **What settings are applied?**
  2. Click **What is program compatibility?**
  3. Click **Click to open the Program Compatibility Wizard**; then click **Next.**
  4. Click **I want to choose from a list of programs**.
  5. Click **Cisco Network Assistant**; then click **Next.**
  6. Click **Do not apply a compatibility mode**; then click **Next.**
  7. Check **Disable visual themes**; then click **Next.** This option assures that the minimize, maximize, and close buttons display correctly. (CSCsj26429)
  8. Click **Next** again.

     Windows Vista launches the Network Assistant and asks if the program ran properly. If the program did not run correctly, select **No,** and follow the onscreen prompts.
  9. If the Network Assistant opened correctly, click **This program installed correctly**. Otherwise, select **No,** and follow the onscreen prompts.

Open Caveats

These sections describe the open caveats that could create possibly unexpected activity in this software release.

These caveats apply to all the devices described in the "Devices Supported" section on page 5:

- CSCsg61410

  When using the File Management feature with communities that have a large number of files (over 10,000), you might receive slow responses from Network Assistant.

  Use one of the methods to delete files from the File Management window:

  - Click **Apply** instead of **OK** to delete files.
  - Alternatively, click **OK** to delete files. If you notice significant performance degradation, restart Network Assistant.
- CSCsq83030

  When running Network Assistant on the Mac OS X, you cannot expand or collapse a row in some tables by clicking the arrow. This problem is only seen in tables whose rows can be expanded or collapsed.

  The workaround is to double-click the device icon to expand or collapse the row.
- CSCsq88063

  When running Network Assistant on the Mac OS X operating system, the Setup feature does not appear on the feature bar.

  The CE520 device does not support the Mac OS in setup mode. There is no workaround.

- CSCsr21111

  When you configure a read-only password on an access point in Network Assistant, two authentication windows appear. This problem only occurs if both read-only and read-write level passwords are configured on the access point.

  The workaround is to enter the appropriate passwords in both windows.

- SCsr44878

  When you right-click a device in the Topology View window and choose Properties, the Properties menu inside the popup window does not display correctly.

  This problem occurs when you are running the Mac OS X operating system on Network Assistant and are using a two-button mouse.

  The workaround is to use the Control-click mouse function instead.

- CSCsr48429

  When you manually add a link between a stack member and another device from the Topology View window, the link might disappear when the stack is collapsed.

  There is no workaround.

- CSCsr49689

  When upgrading a router in Network Assistant running on Mac OS X, the upgrade fails. This problem occurs when you select Standard Mode from the Software Upgrade > Upgrade Settings window or during a drag-and-drop upgrade.

  The workaround is to select the Remote TFTP mode option from the Software Upgrade> Upgrade Settings window.

These caveats apply to Cisco EtherSwitch service modules:

- CSCei55046

  The Front Panel view on EtherSwitch service modules NME-16ES-1G-P, NME-X-23ES-1G-P, NME-XD-24ES-1S-P, and NME-XD-48ES-2S-P shows the EN-LED as not enabled.

  There is no workaround.

- CSCsl37039

  You can configure the speed of a Gigabit port to 1000Mb/s from the Port Setting window, even when the port is in half-duplex mode. This is inconsistent with CLI.

  There is no workaround.

- CSCsl68964

  When running Network Assistant with Cisco IOS release 12.2(40) SE and later, you cannot enable EIGRP routing protocols using the IP Routing Protocols window in Network Assistant.

  The workaround is to configure EIRGP by using the command-line interface.

Resolved Caveats

These caveats were resolved in Network Assistant 5.3:

- CSCsg56064

  The port statistics for 10-Gigabit Ethernet ports now appear in the Port Statistics window for the Catalyst 3750-E and 3560-E switches. (In previous releases, the port statistics always appeared as zero).

- CSCsj38349

  When running Windows Vista, Network Assistant now synchronizes the system time to the PC time.

  These caveats were resolved in Network Assistant 5.0:

- CSCeh32160

  If you change a hostname while a Network Assistant window is open, the window now displays the new hostname.

- CSCeh37933

  When running Network Assistant on a Catalyst 4500 switch whose modules do not support an Alternatively Wired Port (AWP), the Media Type column in the Port Settings window no longer appears.

- CSCeh54393

  In a Topology view for a community, the link icons for the routed, trunk, and Gigastack links now appear.

- CSCeh59451

  When port security is supported on static access interfaces, ISL trunk ports, and IEEE 802.1Q trunk ports, the message `Port security is only supported on static access interfaces` no longer appears in the Port Security window.

- CSCeh60050

  In the Topology view, if there are multiple links between community members and one of the links is blocked, it is no longer shown in green. It is now correctly shown in gray.

- CSCsd64494

  For a stack of Catalyst 3750 switches, the **Hostname** list in the Bandwidth Graphs window now shows an entry for only the stack.

- CSCsb77153

  On Catalyst 4500 and 4900 series switches, you can now edit the flow control values from the Port Settings window.

- CSCsd80600

  When you open the Modify Port Settings window from the Front Panel view and change the duplex, speed, or power settings on PoE switches, the new settings now appear when you close the window and open it again.

- CSCsb88555

  On a Catalyst 4500 or Catalyst 4900 series switch, port security is not longer enabled on trunk ports. If you select **Security > Port Security** and try to associate a secure address with a trunk port, an `Invalid input detected` error no longer appears.

- CSCsb88566

  When you connect to Network Assistant in read-only mode, choose **Configure > Port > Port Settings** on the feature bar, and select a Catalyst 4500 series switch, you are no longer prompted for the level-15 access password.

- CSCsg95292

  When you configure a DC port to standby mode on an RPS 2300, the Event Notification window for a Catalyst 3750 switch no longer shows an `RPS failed` message.

- CSCsg96622

  When running Network Assistant, the RPS 2300 is no longer listed in the selectable device drop-down list.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS version 2.0.

Related Documentation

This online document provides complete information about Network Assistant:

Getting Started with Cisco Network Assistant

http://www.cisco.com/en/US/products/ps5931/prod_installation_guides_list.html

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